

Title (en)

METHOD OF STRENGTHENING HAIR FIBERS AND PROTECTING DYED HAIR COLOR FROM FADING OR WASH-OUT

Title (de)

VERFAHREN ZUR STÄRKUNG DER HAARFASERN VOR SCHUTZ DER FARBE VON COLORIERTEM HAAR VOR DEM AUSBLEICHEN ODER AUSWASCHEN

Title (fr)

PROCÉDÉ DE RENFORCEMENT DE FIBRES DE CHEVEUX ET DE PROTECTION DE COULEUR DE CHEVEUX COLORÉS CONTRE UNE DÉCOLORATION OU UN LAVAGE

Publication

**EP 3319693 A4 20190102 (EN)**

Application

**EP 16824902 A 20160706**

Priority

- US 201562190922 P 20150710
- US 2016041072 W 20160706

Abstract (en)

[origin: US2017007518A1] Disclosed is a method of strengthening hair fibers using a hair composition comprising an amide and/or an alkyl ammonium carboxylate salt. The amide can be a monoamide and/or a bisamide. A method of protecting dyed hair color from fading or wash-out using the hair composition is also included.

IPC 8 full level

**A61Q 5/00** (2006.01); **A61K 8/42** (2006.01); **A61Q 5/12** (2006.01)

CPC (source: BR EP KR RU US)

**A61K 8/00** (2013.01 - RU); **A61K 8/42** (2013.01 - BR EP KR RU US); **A61K 8/498** (2013.01 - BR KR US); **A61Q 5/002** (2013.01 - BR EP US); **A61Q 5/004** (2013.01 - BR EP KR US); **A61Q 5/12** (2013.01 - BR EP KR US); **C07C 235/06** (2013.01 - RU)

Citation (search report)

- [A] JP 2015127326 A 20150709 - KAWAKEN FINE CHEMICALS CO & DATABASE CAPLUS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KAWAKEN FINE CHEMICALS CO., JAPAN: "Hair-repairing and hair- and skin-moisturizing cosmetics containing amino sugar derivatives", XP002786454, Database accession no. 2015:1129465
- [A] JP 2007001953 A 20070111 - LION CORP & DATABASE CAPLUS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; LION CORP., JAPAN: "Hair conditioners containing hair repairing agents, penetration promoters, and aromatic carboxylic acids or (benz)isothiazolones", XP002786455, Database accession no. 2007:31020
- [A] JP 2003026530 A 20030129 - NIPPON FINE CHEMICAL CO & DATABASE CAPLUS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; NIPPON FINE CHEMICAL CO., LTD., JAPAN: "Cosmetic composition containing polyacylated gluconamide derivatives", XP002786456, Database accession no. 2003:71213
- [A] FR 2855049 A1 20041126 - OREAL [FR]
- [A] FR 2855048 A1 20041126 - OREAL [FR]
- See references of WO 2017011237A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 10568823 B2 20200225**; **US 2017007518 A1 20170112**; BR 112018000488 A2 20180918; BR 112018000488 B1 20210629; CN 107921292 A 20180417; CN 107921292 B 20210622; EP 3319693 A1 20180516; EP 3319693 A4 20190102; EP 3319693 B1 20191106; EP 3319693 B2 20220504; JP 2018520166 A 20180726; JP 2021100947 A 20210708; JP 6855438 B2 20210407; JP 7168711 B2 20221109; KR 102661203 B1 20240429; KR 20180028484 A 20180316; MX 2018000410 A 20180815; MX 368701 B 20191011; RU 2754729 C1 20210906; US 10945934 B2 20210316; US 2020188260 A1 20200618; WO 2017011237 A1 20170119

DOCDB simple family (application)

**US 201615203549 A 20160706**; BR 112018000488 A 20160706; CN 201680050235 A 20160706; EP 16824902 A 20160706; JP 2018500665 A 20160706; JP 2021043732 A 20210317; KR 20187003710 A 20160706; MX 2018000410 A 20160706; RU 2018105016 A 20160706; US 2016041072 W 20160706; US 202016794633 A 20200219